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or skins, such as the Wings of Dragon-flies; in others, those skins are all over-grown, or pretty thick bestuck, with short bristles, as in Flesh-flies; in others, those films are covered, both on the upper and under side, with small Feathers, plac'd almost like the tiles on a House, and are curiously rang'd and adorn'd with most lively colours, as is observable in Butter-flies, and several kinds of Moths; In others, instead of their films, Nature has provided nothing, but a matter of half a score stalks (if I well remember the number; for I have not lately met with any of these flies, and did not, when I first observ'd them, take sufficient notice of divers particulars) and each of these stalks, with a few single branchings on each side, resembling much the branched back-bone of a Herring or the like Fish, or a thin hair'd Peacocks feather, the top or the eye being broken off. With a few of these on either side (which it was able to shut up or expand at pleasure, much like a Fan, or rather like the posture of the feathers in a wing, which ly all one under another, when shut, and by the side of each other, when expanded) this pretty little grey Moth (for such was the creature I observ'd, thus wing'd) could very nimbly, and as it seem'd very easily move its *corpuscle*, through the Air, from place to place. Other Insects have their wings cas'd, or cover'd over, with certain hollow shells, shap'd almost like those hollow Trays, in which Butchers carry meat, whose hollow sides being turn'd downwards, do not only secure their folded wings from injury of the earth, in which most of those creatures reside, but whilst they fly, serves as a help to sustain and bear them up. And these are observable in *Scarabees* and a multitude of other terrestrial *crustaceous* Insects; in which we may yet further observe a particular providence of Nature.

Now in all these kinds of wings, we observe this particular, as a thing most worthy remark; that where ever a wing consists of discontinued parts, the Pores or *interstitia* between those parts are very seldom, either much bigger, or much smaller, then these which we here find between the particles of these brushes, so that it should seem to intimate, that the parts of the Air are such, that they will not easily or readily, if at all, pass through these Pores, so that they seem to be strainers fine enough to hinder the particles of the Air (whether hinder'd by their bulk, or by their agitation, circulation, rotation or undulation; I shall not here determine) from getting through them, and, by that means, serve the Animal as well, if not better, then if they were little films. I say, if not better, because I have observ'd that all those creatures, that have film'd wings, move them abundantly quicker and more strongly, such as all kind of Flies and *Scarabees* and Batts, then such as have their wings covered with feathers, as Butter-flies and Birds, or twigs, as Moths, which have each of them a much slower motion of their wings; That little ruggedness perhaps of their wings helping them somewhat, by taking better hold of the parts of the Air, or not suffering them so easily to pass by, any other way then one.

But what ever be the reason of it, 'tis most evident, that the smooth wing'd Insects have the strongest Muscles or movent parts of their wings, and the other much weaker; and this very Insect, we are now describing, had